

**Table 1C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Demographic Indicators**  
**Children Aged < 5 Years** (2,3)

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Total Records	Number
Individual Children	15,434
Total Records (All Visits)	34,867

Source of Data	Number	%
WIC	15,434	100.0
EPSDT	0	0.0
Child Health-MCH	0	0.0
Child Health-HMO	0	0.0
Headstart	0	0.0
School Health	0	0.0
Other	0	0.0
<b>Total</b>	<b>15,434</b>	<b>100.0</b>
<i>Excluded Unknown:</i> 0 0.0 %		

Race/Ethnic Distribution	Number	%
White, Not Hispanic	9,010	58.5
Black, Not Hispanic	625	4.1
Hispanic	1,427	9.3
American Indian/Alaskan Native	3,204	20.8
Asian/Pacific Islander	111	0.7
Multiple Races	1,032	6.7
All Other	0	0.0
<b>Total</b>	<b>15,409</b>	<b>100.0</b>
<i>Excluded Unknown:</i> 25 * %		

Age Distribution (4)	Number	%
0 - 5 Months	3,652	23.7
6 - 11 Months	2,323	15.1
12 - 23 Months	2,807	18.2
24 - 35 Months	2,583	16.7
3 - 4 Years	4,069	26.4
<b>Total</b>	<b>15,434</b>	<b>100.0</b>

% of Poverty Level	Number	%
0-50	5,070	33.3
51-100	3,761	24.7
101-130	2,427	16.0
131-150	1,426	9.4
151-185	1,872	12.3
186-200	145	1.0
Over 200	510	3.4
Adjunctive Eligibility	0	0.0
<b>Total</b>	<b>15,211</b>	<b>100.0</b>
<i>Excluded Unknown:</i> 223 1.4 %		

Program Participation	Number	%
WIC	15,434	100.0
FoodStamps	15,425	23.0
Medicaid	15,425	55.3
TANF	15,425	5.1
<i>Excluded Unknown:</i>		
WIC	0	0.0
FoodStamps	9	*
Medicaid	9	*
TANF	9	*

Migrant Status	Number	%
Yes	75	*
No	15,336	99.5
<b>Total</b>	<b>15,411</b>	<b>100.0</b>
<i>Excluded Unknown:</i> 23 * %		

- (1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
(4) Records rejected if date of birth and date of visit unknown.  
\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 2C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Health Indicators**  
**Children Aged < 5 Years** <sup>(2)</sup>

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<b>Summary of Health Indicators</b> <sup>(3)</sup>					
			North Dakota Prevalence		National Prevalence (Prior Year)
			Number	%	Number    %
Birthweight (4)					
Low	< 2500 g		3,607	9.0	1,953,242    9.1
High	> 4000 g		3,607	9.2	1,953,242    6.4
Height and Weight					
Short Stature (5)	< 5th		15,187	4.7	7,526,585    6.2
	< 10th		15,187	8.7	7,526,585    11.2
Underweight (6)	< 5th		15,187	2.5	7,526,585    4.5
	< 10th		15,187	4.7	7,526,585    7.8
Obese (6)	≥ 95th		15,187	13.8	7,526,585    13.9
≥ 2 Yrs Overweight (6)	85th - < 95th		6,551	17.5	3,058,130    16.4
	≥ 95th		6,551	13.8	3,058,130    14.9
Anemia (7)					
Low Hb			10,532	9.2	4,357,486    15.3
Low Hct			807	1.2	627,528    11.0
Low Hb/Hct			11,132	8.7	4,759,588    15.0
Breastfeeding (8)					
Ever Breastfed			3,614	58.3	1,747,004    59.8
Breastfed At Least 6 Months			3,259	20.1	874,434    25.4
Breastfed At Least 12 Months			2,605	10.4	979,105    17.5
Smoking in Household					
≤ 2 Hours TV Viewing/ Day (9)			14,772	29.7	3,047,308    11.3
			6,463	78.0	687,613    75.0

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

(8) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(9) Children aged 2 years and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 3C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Breastfeeding Indicators**  
**Children Aged < 5 Years** <sup>(2)</sup>

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<b>Summary of Breastfeeding Indicators</b> <sup>(3)</sup>				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
<b>Breastfeeding Duration</b> <sup>(4,5)</sup>				
Ever Breastfed	3,614	58.3	1,747,004	59.8
Breastfed 1+ Weeks	3,578	55.6	1,441,655	57.7
Breastfed 2+ Weeks	3,444	52.8	1,143,026	54.6
Breastfed 3+ Weeks	3,385	48.7	945,918	51.9
Breastfed 4+ Weeks	3,335	45.7	829,522	49.3
Breastfed 6+ Weeks	3,229	39.1	703,467	43.4
Breastfed 2+ Months	3,199	33.8	656,316	38.1
Breastfed 3+ Months	3,200	28.3	698,226	33.2
Breastfed 4+ Months	3,160	24.9	781,546	29.4
Breastfed 5+ Months	3,176	21.9	876,545	26.5
Breastfed 6+ Months	3,259	20.1	874,434	25.4
Breastfed 9+ Months	2,859	14.4	956,555	20.2
Breastfed 12+ Months	2,605	10.4	979,105	17.5
Breastfed 18+ Months	1,814	5.5	722,829	10.5
<b>Exclusive Breastfeeding</b> <sup>(6)</sup>				
Exclusively Breastfed at Least 3 Months	3,132	14.9	127,047	10.2
Exclusively Breastfed at Least 6 Months	3,164	8.2	182,064	5.2

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. For each breastfeeding duration category, the analysis includes only children who turned that age during the reporting period by/on their date of visit. For example, infants who turned 9 months old during the reporting period by/on their date of visit are included in the 9+ months analysis.

(5) It is possible the analysis will show that slightly more infants are breastfed at older ages, e.g. 1+ week of age, than at younger ages, e.g. at birth (ever breastfed), due to variation in infants included in each breastfeeding analysis category.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 4C  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Racial and Ethnic Distribution by Contributor**  
**Children Aged < 5 Years** <sup>(2)</sup>

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<b>Comparison of Racial and Ethnic Distribution by Contributor</b>								
<b>Contributor</b>	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaskan Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
<b>North Dakota</b>	<b>15,434</b>	<b>58.4</b>	<b>4.0</b>	<b>9.2</b>	<b>20.8</b>	<b>0.7</b>	<b>6.7</b>	<b>0.2</b>
<b>Nation (Prior Year)</b>	<b>7,995,600</b>	<b>31.6</b>	<b>19.4</b>	<b>40.9</b>	<b>1.0</b>	<b>2.5</b>	<b>1.8</b>	<b>2.7</b>

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with errors.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 5C  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Age Distribution by Contributor**  
**Children Aged < 5 Years** <sup>(2)</sup>

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<b>Comparison of Age Distribution by Contributor</b>				
<b>Contributor</b>	Number Included in Analysis (3,4)	0 - 11 Months  %	12 - 23 Months  %	24 - 59 Months  %
<b>North Dakota</b>	<b>15,434</b>	<b>38.7</b>	<b>18.2</b>	<b>43.1</b>
<b>Nation (Prior Year)</b>	<b>7,995,600</b>	<b>37.6</b>	<b>22.1</b>	<b>40.3</b>

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Records rejected if date of birth and date of visit unknown.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 6C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Growth and Anemia Indicators by Contributor**  
**Children Aged < 5 Years** (2)

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Comparison of Growth and Anemia Indicators by Contributor <sup>(3)</sup>												
Contributor	Birthweight <sup>(4)</sup>			Height and Weight						Anemia Low Hb/Hct <sup>(7)</sup>		
	Low		High	Short Stature <sup>(5)</sup>	Under- weight <sup>(6)</sup>	Obese <sup>(6)</sup>	≥ 2 Yrs Over- weight <sup>(6)</sup>					
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th- <95th	% ≥95th	Number	%
North Dakota	3,607	9.0	9.2	15,187	4.7	2.5	13.8	6,551	17.5	13.8	11,132	8.7
Nation (Prior Year)	1,953,242	9.1	6.4	7,526,585	6.2	4.5	13.9	3,058,130	16.4	14.9	4,759,588	15.0

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children..

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**

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**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Contributor** (2)  
**Children Aged < 5 Years** (3)

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Contributor**  
(4)

	Breastfeeding (5)				Exclusive Breastfeeding (6)				≤2 Hours TV Viewing/Day (7)		Smoking in Household			
Contributor	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	% Breastfed At Least 3 Months	Number	% Breastfed At Least 6 Months	Number	%		
North Dakota	3,614	58.3	3,259	20.1	2,605	10.4	3,132	14.9	3,164	8.2	6,463	78.0	14,772	29.7
Nation (Prior Year)	1,747,004	59.8	874,434	25.4	979,105	17.5	127,047	10.2	182,064	5.2	687,613	75.0	3,047,308	11.3

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(7) Children ages 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 8C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Growth and Anemia Indicators by Race/Ethnicity or Age**  
**Children Aged < 5 Years** <sup>(2)</sup>

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Growth and Anemia Indicators by Race/Ethnicity or Age <sup>(3)</sup>												
	Birthweight (4)			Height and Weight							Anemia Low Hb/Hct (7)	
	Number	Low %	High %	Number	Short Stature (5) %	Under- weight (6) %	Obese (6) %	≥ 2 Yrs Overweight (6)				
		<2500 g	>4000 g		<5th	<5th	≥95th	Number	85th- %	<95th %		
Race/Ethnicity												
White, Not Hispanic	2,150	9.7	8.7	8,882	5.4	2.8	11.1	3,762	16.1	11.1	6,399	7.8
Black, Not Hispanic	125	9.6	9.6	611	3.6	3.8	12.6	302	15.2	8.9	462	16.0
Hispanic	351	8.3	5.4	1,393	4.7	2.2	13.9	547	18.8	13.9	978	10.9
American Indian/Alaskan Native	621	7.7	13.4	3,145	2.9	1.8	21.8	1,617	20.4	21.8	2,552	8.8
Asian/Pacific Islander	18	*	*	108	8.3	4.6	13.9	45	*	*	84	*
Multiple Races	332	8.1	9.0	1,025	5.1	1.6	14.0	275	22.2	12.0	649	10.5
All Other	10	*	*	23	*	*	*	3	*	*	8	*
Total	3,607	9.0	9.2	15,187	4.7	2.5	13.8	6,551	17.5	13.8	11,132	8.7
Age												
0 - 11 Months	-	-	-	5,871	6.7	2.7	12.2	-	*	*	2,414	11.6
12 - 23 Months	-	-	-	2,765	4.4	1.8	17.4	-	*	*	2,617	11.4
24 - 35 Months	-	-	-	2,538	3.6	2.8	12.3	2,538	16.5	12.3	2,536	8.2
36 - 47 Months	-	-	-	2,073	3.3	2.6	14.4	2,073	17.4	14.4	2,064	5.4
48 - 59 Months	-	-	-	1,940	2.2	2.5	15.3	1,940	19.0	15.3	1,501	5.0
Total	-	-	-	15,187	4.7	2.5	13.8	6,551	17.5	13.8	11,132	8.7

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

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**Table 9C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**

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**Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age** (2)  
**Children Aged < 5 Years** (3)

Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age (4)										
	Breastfeeding (5)						<2 Hours TV/Video Viewing/Day (6)		Smoking in Household	
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	%	Number	%
Race/Ethnicity										
White, Not Hispanic	2,152	62.2	1,973	20.9	1,516	11.1	3,657	82.2	8,655	30.8
Black, Not Hispanic	124	83.1	115	48.7	97	*	287	74.6	599	12.7
Hispanic	352	58.5	309	23.3	238	8.4	548	74.3	1,329	22.7
American Indian/Alaskan Native	626	40.1	551	12.0	501	6.6	1,663	70.7	3,096	31.6
Asian/Pacific Islander	18	*	13	*	24	*	43	*	102	13.7
Multiple Races	332	58.7	290	14.5	224	6.7	264	77.7	976	34.6
All Other	10	*	8	*	5	*	1	*	15	*
Total	3,614	58.3	3,259	20.1	2,605	10.4	6,463	78.0	14,772	29.7
Age										
0 - 11 Months	-	-	-	-	-	-	0	*	5,561	28.1
12 - 23 Months	-	-	-	-	-	-	0	*	2,726	29.5
24 - 35 Months	-	-	-	-	-	-	2,719	81.8	2,517	31.0
36 - 47 Months	-	-	-	-	-	-	1,902	75.8	2,031	30.9
48 - 59 Months	-	-	-	-	-	-	1,842	74.5	1,937	31.3
Total	3,614	58.3	3,259	20.1	2,605	10.4	6,463	78.0	14,772	29.7

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 10C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Racial and Ethnic Distribution**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 1  
Run Date: 2 / 27 / 09

<b>Summary of Trends in Racial and Ethnic Distribution</b>								
Year	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaskan Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
2008	15,434	58.4	4.0	9.2	20.8	0.7	6.7	0.2
2007	15,238	60.0	3.8	8.7	21.0	0.8	5.4	0.3
2006	0	*	*	*	*	*	*	*
2005	12,967	66.7	4.7	5.2	22.4	0.9	0.0	0.0
2004	14,367	67.8	4.4	5.3	21.5	1.0	0.0	0.0
2003	13,947	68.9	4.1	5.1	20.9	1.0	0.0	0.0
2002	13,574	69.7	3.9	4.9	20.3	1.2	0.0	0.0
2001	14,050	71.1	4.1	4.7	18.9	1.2	0.0	0.0
2000	14,294	72.5	3.9	4.5	18.1	1.0	0.0	0.0
1999	14,839	74.0	3.5	4.9	16.4	1.1	0.0	0.0
1998	15,640	74.5	3.2	5.1	16.0	1.2	0.0	0.0
1997	14,270	77.9	2.8	3.9	14.1	1.2	0.0	0.0
1996	15,375	76.3	2.4	4.0	16.1	1.3	0.0	0.0
1995	17,486	76.9	2.5	3.5	15.6	1.5	0.0	0.0
1994	17,764	77.5	2.3	3.3	15.4	1.5	0.0	0.0
1993	17,888	77.1	2.1	3.4	16.1	1.3	0.0	0.0
1992	17,255	78.3	2.1	3.3	15.1	1.1	0.0	0.0
1991	16,645	77.5	2.3	3.0	16.1	1.1	0.0	0.0
1990	15,437	77.9	2.4	3.0	15.6	1.1	0.0	0.0

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with errors.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 10C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Racial and Ethnic Distribution**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 2  
Run Date: 2 / 27 / 09

<b>Summary of Trends in Racial and Ethnic Distribution</b>								
Year	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaskan Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
1989	14,920	78.1	2.2	2.6	15.9	1.2	0.0	0.0
1988	6,726	79.0	1.7	2.3	15.9	1.1	0.0	0.0
1987	56	*	*	*	*	*	*	*
1986	1	*	*	*	*	*	*	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with errors.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 11C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Age Distribution**  
**Children Aged < 5 Years** (2)

Page: 1  
Run Date: 2 / 27 / 09

<b>Summary of Trends in Age Distribution</b> (3)				
Year	Number Included in Analysis (4)	0-11 Months %	12-23 Months %	24-59 Months %
2008	15,434	38.7	18.2	43.1
2007	15,238	39.1	18.3	42.6
2006	0	*	*	*
2005	12,967	35.0	20.6	44.4
2004	14,367	34.6	20.0	45.4
2003	13,947	34.9	20.0	45.1
2002	13,574	33.7	19.8	46.5
2001	14,050	33.4	20.0	46.6
2000	14,294	32.5	20.2	47.3
1999	14,839	33.6	19.9	46.5
1998	15,640	33.1	19.7	47.2
1997	14,270	31.6	20.1	48.2
1996	15,375	30.6	19.7	49.7
1995	17,486	31.0	19.8	49.3
1994	17,764	31.1	20.6	48.2
1993	17,888	32.3	19.5	48.2
1992	17,255	33.1	19.6	47.3
1991	16,645	34.2	19.6	46.1

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Records rejected if date of birth and date of visit unknown.

(4) Excludes records with unknown data or errors.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 11C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Age Distribution**  
**Children Aged < 5 Years** (2)

Page: 2  
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<b>Summary of Trends in Age Distribution</b> (3)				
Year	Number Included in Analysis (4)	0-11 Months %	12-23 Months %	24-59 Months %
1990	15,437	35.5	20.8	43.7
1989	14,920	33.3	20.2	46.5
1988	6,726	36.0	24.0	40.0
1987	56	*	*	*
1986	1	*	*	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Records rejected if date of birth and date of visit unknown.

(4) Excludes records with unknown data or errors.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 12C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Growth and Anemia Indicators**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 1  
Run Date: 2/27/2009

Summary of Trends in Growth and Anemia Indicators <sup>(3)</sup>												
Year	Birthweight (4)			Height and Weight							Anemia Low Hb/Hct (7)	
	Low	High		Short Stature (5)	Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)					
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th-<95th	% ≥95th	Number	%
2008	3,607	9.0	9.2	15,187	4.7	2.5	13.8	6,551	17.5	13.8	11,132	8.7
2007	3,656	8.2	10.4	14,951	4.9	2.9	14.3	6,298	17.7	13.4	10,783	9.2
2006	0	*	*	0	*	*	*	0	*	*	0	*
2005	3,075	7.7	10.2	12,113	4.5	3.0	13.6	5,330	16.7	13.1	7,026	9.6
2004	3,338	7.1	10.7	13,915	4.3	3.4	13.3	6,299	16.2	12.7	8,287	8.2
2003	3,178	7.0	10.8	13,491	4.2	3.4	12.2	6,097	15.6	11.6	8,060	7.5
2002	3,114	6.8	10.6	13,155	4.3	3.2	12.2	6,084	16.1	11.4	7,759	7.1
2001	3,088	6.5	11.3	13,642	4.0	3.4	11.6	6,374	14.9	11.4	8,407	8.4
2000	3,123	6.9	11.9	13,810	4.0	3.3	12.3	6,518	15.4	10.5	8,890	9.6
1999	3,182	7.0	13.1	14,456	4.4	3.2	11.3	6,796	15.3	10.0	9,935	8.4

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 12C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Growth and Anemia Indicators**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 2  
Run Date: 2/27/2009

Summary of Trends in Growth and Anemia Indicators <sup>(3)</sup>												
Year	Birthweight (4)			Height and Weight							Anemia Low Hb/Hct (7)	
	Low	High		Short Stature (5)	Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)					
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th-<95th	% ≥95th	Number	%
1998	3,383	7.6	13.1	15,250	4.7	3.5	10.6	7,246	15.2	9.4	10,356	8.0
1997	2,600	6.4	12.3	13,835	4.1	3.4	10.8	6,739	14.2	8.9	8,737	8.0
1996	3,233	6.1	13.0	15,034	3.9	3.6	9.9	7,466	13.1	7.7	9,905	8.4
1995	3,486	5.6	12.5	17,012	4.0	3.4	9.7	8,459	13.5	7.8	12,236	10.9
1994	3,467	6.3	13.0	17,291	4.2	3.3	10.1	8,424	13.6	7.9	12,431	11.5
1993	3,650	5.6	13.9	17,452	4.4	3.3	9.4	8,438	13.9	7.5	12,574	11.8
1992	3,556	5.1	13.4	16,822	4.1	3.6	8.8	8,031	12.7	7.1	12,311	11.5
1991	3,609	5.0	11.9	16,303	4.1	4.0	8.2	7,571	12.0	6.1	11,648	10.5
1990	3,423	5.9	13.5	15,071	4.6	3.9	7.9	6,631	11.6	6.3	10,524	11.5
1989	2,988	6.5	14.6	14,475	4.3	3.9	9.0	6,796	13.1	6.9	10,168	13.3

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 12C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Growth and Anemia Indicators**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 3  
Run Date: 2/27/2009

Summary of Trends in Growth and Anemia Indicators <sup>(3)</sup>												
Year	Birthweight (4)			Height and Weight							Anemia Low Hb/Hct (7)	
	Low		High	Short Stature (5)		Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)				
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th-<95th	% ≥95th	Number	%
1988	1,886	5.9	13.1	6,472	4.7	4.5	8.9	2,639	12.9	8.1	3,999	17.4
1987	17	*	*	54	*	*	*	18	*	*	43	*
1986	1	*	*	0	*	*	*	0	*	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.





**Table 13C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Breastfeeding**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 1  
Run Date: 2/27/2009

<b>Summary of Trends in Breastfeeding</b> <sup>(3)</sup>						
Year	Breastfeeding (4)					
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
2008	3,614	58.3	3,259	20.1	2,605	10.4
2007	3,651	60.3	3,255	20.7	2,533	11.3
2006	0	*	0	*	0	*
2005	3,208	56.7	2,638	22.6	2,081	14.5
2004	3,361	55.6	2,739	20.5	2,104	14.1
2003	3,191	56.9	2,608	21.1	2,040	15.9
2002	3,131	57.0	2,370	21.7	1,972	14.9
2001	3,109	54.2	2,455	21.1	2,078	14.1
2000	3,148	54.0	2,469	20.6	2,087	16.2
1999	3,214	52.3	2,700	22.9	2,131	15.2

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 13C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Breastfeeding**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 2  
Run Date: 2/27/2009

<b>Summary of Trends in Breastfeeding</b> <sup>(3)</sup>						
Year	Breastfeeding (4)					
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
1998	3,433	51.7	2,801	19.2	2,176	13.3
1997	2,641	49.0	2,242	19.8	1,693	13.7
1996	3,263	48.9	2,838	17.9	2,287	11.4
1995	3,519	47.8	2,978	16.7	2,393	10.7
1994	3,508	46.0	3,134	17.2	2,565	10.5
1993	3,688	44.6	3,194	17.1	2,547	11.1
1992	3,597	41.6	3,085	16.3	2,387	11.6
1991	3,645	40.5	2,867	15.9	2,228	10.7
1990	3,460	36.9	2,632	15.2	2,060	10.4
1989	3,024	36.4	2,425	15.3	1,980	8.3

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 13C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Breastfeeding**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 3  
Run Date: 2/27/2009

<b>Summary of Trends in Breastfeeding</b> <sup>(3)</sup>					
Year	Breastfeeding (4)				
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number      % Breastfed At Least 12 Months
1988	1,922	30.9	1,484	12.1	1,289      4.9
1987	17	*	18	*	15      *
1986	1	*	0	*	0      *

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 14C**  
**2008 Pediatric Nutrition Surveillance**  
**North Dakota**  
**Children Aged < 5 Years**

Page: 1  
Run Date: 2 / 27 / 09

**This table is forthcoming. It may present changes over time in the prevalence of short stature, underweight, overweight, or anemia among cohorts of children participating in the PedNSS.**

Table 15C  
**2008 Pediatric Nutrition Surveillance**  
North Dakota  
Children Aged < 5 Years

Page: 1  
Run Date: 2 / 27 / 09

**This table is forthcoming. It may present changes over time in the prevalence of short stature, underweight, overweight, or anemia among cohorts of children participating in the PedNSS.**

**Table 16C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Growth Indicators by Race/Ethnicity and Age**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 1  
Run Date: 2/27/2009

<b>Growth Indicators by Race/Ethnicity and Age</b> <sup>(3)</sup>								
	Short Stature (4)		Underweight (5)		Obese (5)		≥ 2 Yrs Overweight (5)	
	Number	% <5th	Number	% <5th	Number	% ≥95th	Number	% 85th - <95th    % ≥95th
White, Not Hispanic								
0 - 11 Months	3,579	7.1	3,579	2.9	3,579	10.4	0	0.0    0.0
12 - 23 Months	1,541	5.3	1,541	2.1	1,541	12.8	0	0.0    0.0
24 - 59 Months	3,762	3.9	3,762	2.9	3,762	11.1	3,762	16.1    11.1
<b>Total</b>	<b>8,882</b>	<b>5.4</b>	<b>8,882</b>	<b>2.8</b>	<b>8,882</b>	<b>11.1</b>	<b>3,762</b>	<b>16.1    11.1</b>
Black, Not Hispanic								
0 - 11 Months	190	6.3	190	2.1	190	13.7	0	0.0    0.0
12 - 23 Months	119	2.5	119	1.7	119	20.2	0	0.0    0.0
24 - 59 Months	302	2.3	302	5.6	302	8.9	302	15.2    8.9
<b>Total</b>	<b>611</b>	<b>3.6</b>	<b>611</b>	<b>3.8</b>	<b>611</b>	<b>12.6</b>	<b>302</b>	<b>15.2    8.9</b>
Hispanic								
0 - 11 Months	547	6.4	547	2.2	547	12.6	0	0.0    0.0
12 - 23 Months	299	4.3	299	2.0	299	16.4	0	0.0    0.0
24 - 59 Months	547	3.3	547	2.4	547	13.9	547	18.8    13.9
<b>Total</b>	<b>1,393</b>	<b>4.7</b>	<b>1,393</b>	<b>2.2</b>	<b>1,393</b>	<b>13.9</b>	<b>547</b>	<b>18.8    13.9</b>
American Indian/Alaskan Native								
0 - 11 Months	980	5.5	980	2.9	980	17.2	0	0.0    0.0
12 - 23 Months	548	2.6	548	0.7	548	30.1	0	0.0    0.0
24 - 59 Months	1,617	1.4	1,617	1.5	1,617	21.8	1,617	20.4    21.8
<b>Total</b>	<b>3,145</b>	<b>2.9</b>	<b>3,145</b>	<b>1.8</b>	<b>3,145</b>	<b>21.8</b>	<b>1,617</b>	<b>20.4    21.8</b>

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(5) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 16C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Growth Indicators by Race/Ethnicity and Age**  
**Children Aged < 5 Years** <sup>(2)</sup>

Page: 2  
Run Date: 2/27/2009

<b>Growth Indicators by Race/Ethnicity and Age</b> <sup>(3)</sup>								
	Short Stature (4)		Underweight (5)		Obese (5)		≥ 2 Yrs Overweight (5)	
	Number	% <5th	Number	% <5th	Number	% ≥95th	Number	% 85th - <95th    % ≥95th
Asian/Pacific Islander								
0 - 11 Months	34	*	34	*	34	*	0	*    *
12 - 23 Months	29	*	29	*	29	*	0	*    *
24 - 59 Months	45	*	45	*	45	*	45	*    *
<b>Total</b>	<b>108</b>	<b>8.3</b>	<b>108</b>	<b>4.6</b>	<b>108</b>	<b>13.9</b>	<b>45</b>	<b>*    *</b>
Multiple Races								
0 - 11 Months	523	6.9	523	1.7	523	14.0	0	0.0    0.0
12 - 23 Months	227	4.8	227	0.9	227	16.3	0	0.0    0.0
24 - 59 Months	275	1.8	275	1.8	275	12.0	275	22.2    12.0
<b>Total</b>	<b>1,025</b>	<b>5.1</b>	<b>1,025</b>	<b>1.6</b>	<b>1,025</b>	<b>14.0</b>	<b>275</b>	<b>22.2    12.0</b>
All Other/Unknown								
0 - 11 Months	18	*	18	*	18	*	0	*    *
12 - 23 Months	2	*	2	*	2	*	0	*    *
24 - 59 Months	3	*	3	*	3	*	3	*    *
<b>Total</b>	<b>23</b>	<b>*</b>	<b>23</b>	<b>*</b>	<b>23</b>	<b>*</b>	<b>3</b>	<b>*    *</b>
Total All Race/Ethnic Groups								
0 - 11 Months	5,871	6.7	5,871	2.7	5,871	12.2	0	0.0    0.0
12 - 23 Months	2,765	4.4	2,765	1.8	2,765	17.4	0	0.0    0.0
24 - 59 Months	6,551	3.1	6,551	2.6	6,551	13.8	6,551	17.5    13.8
<b>Total</b>	<b>15,187</b>	<b>4.7</b>	<b>15,187</b>	<b>2.5</b>	<b>15,187</b>	<b>13.8</b>	<b>6,551</b>	<b>17.5    13.8</b>

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(5) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 17C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Anemia Indicators by Race/Ethnicity and Age**  
**Children Aged < 5 Years** (2)

Page: 1  
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<b>Anemia Indicators by Race/Ethnicity and Age</b> (3, 4)					
	Anemia Low Hb/Hct %			Anemia Low Hb/Hct %	
	Number			Number	
White, Not Hispanic			Asian/Pacific Islander		
6 - 11 Months	1,468	12.4	6 - 11 Months	22	*
12 - 17 Months	609	13.3	12 - 17 Months	9	*
18 - 23 Months	855	8.1	18 - 23 Months	10	*
24 - 35 Months	1,436	5.8	24 - 35 Months	22	*
36 - 59 Months	2,031	4.0	36 - 59 Months	21	*
<b>Total</b>	<b>6,399</b>	<b>7.8</b>	<b>Total</b>	<b>84</b>	<b>*</b>
Black, Not Hispanic			Multiple Races		
6 - 11 Months	51	*	6 - 11 Months	201	12.9
12 - 17 Months	61	*	12 - 17 Months	89	*
18 - 23 Months	62	*	18 - 23 Months	113	12.4
24 - 35 Months	103	19.4	24 - 35 Months	137	10.2
36 - 59 Months	185	9.2	36 - 59 Months	109	5.5
<b>Total</b>	<b>462</b>	<b>16.0</b>	<b>Total</b>	<b>649</b>	<b>10.5</b>
Hispanic			All Other/Unknown		
6 - 11 Months	188	14.9	6 - 11 Months	4	*
12 - 17 Months	137	14.6	12 - 17 Months	2	*
18 - 23 Months	163	11.0	18 - 23 Months	0	*
24 - 35 Months	215	9.3	24 - 35 Months	0	*
36 - 59 Months	275	7.6	36 - 59 Months	2	*
<b>Total</b>	<b>978</b>	<b>10.9</b>	<b>Total</b>	<b>8</b>	<b>*</b>
American Indian/Alaskan Native			Total All Race/Ethnic Groups		
6 - 11 Months	480	7.5	6 - 11 Months	2,414	11.6
12 - 17 Months	204	18.1	12 - 17 Months	1,111	14.5
18 - 23 Months	303	7.3	18 - 23 Months	1,506	9.2
24 - 35 Months	623	11.1	24 - 35 Months	2,536	8.2
36 - 59 Months	942	6.4	36 - 59 Months	3,565	5.2
<b>Total</b>	<b>2,552</b>	<b>8.8</b>	<b>Total</b>	<b>11,132</b>	<b>8.7</b>

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.





**Table 18C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

Page: 1  
Run Date: 2 / 27 / 09

**Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** <sup>(2)</sup>

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity <sup>(3)</sup>													
Race/Ethnicity and Year		Birthweight <sup>(4)</sup>			Height and Weight							Anemia Low Hb/Hct (7)	
		Low		High	Short Stature (5)		Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)				
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th -	% <95th	% ≥95th	Number
White, Not Hispanic	2008	2,150	9.7	8.7	8,882	5.4	2.8	11.1	3,762	16.1	11.1	6,399	7.8
	2007	2,242	9.0	9.5	9,012	5.4	3.1	11.3	3,784	16.3	10.8	6,374	8.1
	2006	0	*	*	0	*	*	*	0	*	*	0	*
	2005	2,091	8.1	9.3	8,139	4.8	2.7	11.2	3,493	15.5	10.2	4,676	8.6
	2004	2,316	7.4	10.1	9,492	4.7	3.3	11.1	4,211	15.6	10.3	5,584	6.9
	2003	2,245	7.8	10.3	9,345	4.6	3.2	10.3	4,168	14.8	9.5	5,540	6.7
	2002	2,265	6.9	9.3	9,190	4.7	3.4	10.4	4,161	15.0	9.8	5,368	6.4
	2001	2,182	6.8	11.0	9,704	4.3	3.7	10.2	4,516	13.7	9.9	6,007	8.3
	2000	2,306	6.9	11.8	10,013	4.3	3.5	11.2	4,667	14.5	9.0	6,434	9.5
1999	2,395	7.7	12.5	10,716	4.6	3.3	10.2	4,974	14.3	8.7	7,458	8.2	
Black, Not Hispanic	2008	125	9.6	9.6	611	3.6	3.8	12.6	302	15.2	8.9	462	16.0
	2007	115	5.2	6.1	562	3.2	3.7	12.8	279	14.3	12.2	420	16.9
	2006	0	*	*	0	*	*	*	0	*	*	0	*
	2005	145	10.3	6.2	574	5.2	2.8	12.4	256	15.6	10.5	336	21.7
	2004	141	7.1	11.3	607	3.3	3.6	13.0	288	13.9	11.1	339	18.0
	2003	131	3.8	3.8	558	3.2	3.4	13.6	253	16.2	12.3	333	13.5
	2002	103	7.8	10.7	518	3.5	4.2	12.5	243	11.1	11.1	320	14.1
	2001	134	6.7	7.5	559	3.6	3.8	11.1	241	10.8	9.1	329	13.7
	2000	112	9.8	5.4	531	2.3	4.9	10.7	231	11.7	7.4	337	18.7
	1999	131	3.8	10.7	509	2.6	4.5	7.9	224	12.9	4.9	339	16.5

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 18C**  
**2008 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** <sup>(2)</sup>

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity <sup>(3)</sup>													
Race/Ethnicity and Year		Birthweight <sup>(4)</sup>			Height and Weight							Anemia Low Hb/Hct (7)	
		Low		High	Short Stature (5)		Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)				
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th -	% <95th	% ≥95th	Number
Hispanic	2008	351	8.3	5.4	1,393	4.7	2.2	13.9	547	18.8	13.9	978	10.9
	2007	326	8.0	9.8	1,285	5.0	3.4	16.8	471	16.8	17.0	879	13.3
	2006	0	*	*	0	*	*	*	0	*	*	0	*
	2005	153	5.2	11.1	628	4.0	2.7	17.5	304	17.8	19.1	375	11.5
	2004	150	5.3	8.7	734	4.8	2.5	17.4	352	17.0	17.3	442	12.7
	2003	152	5.3	9.2	683	4.4	2.6	14.8	323	18.0	14.6	395	11.1
	2002	122	4.1	10.7	641	5.8	2.7	14.4	330	20.3	12.7	392	11.0
	2001	129	4.7	9.3	641	4.5	3.9	11.7	330	16.1	10.3	399	8.8
	2000	121	9.9	9.1	634	4.1	4.3	12.0	324	14.5	11.1	401	11.2
	1999	120	4.2	8.3	705	4.3	2.7	12.9	341	18.8	12.6	509	10.0
American Indian/Alaskan Native	2008	621	7.7	13.4	3,145	2.9	1.8	21.8	1,617	20.4	21.8	2,552	8.8
	2007	612	5.2	14.4	3,103	3.2	2.5	21.9	1,517	21.8	19.3	2,548	9.1
	2006	0	*	*	0	*	*	*	0	*	*	0	*
	2005	648	6.6	14.4	2,656	3.4	3.9	20.4	1,235	20.1	20.2	1,580	9.4
	2004	695	6.6	12.9	2,938	3.0	3.9	19.6	1,385	18.7	19.4	1,850	9.2
	2003	621	5.6	14.3	2,769	2.6	4.0	18.0	1,292	17.8	17.6	1,720	8.1
	2002	584	6.0	16.1	2,651	2.7	2.4	18.1	1,283	20.1	16.4	1,592	7.0
	2001	600	6.3	14.0	2,577	2.8	2.2	17.1	1,223	19.8	18.1	1,588	7.5
	2000	547	5.7	15.4	2,493	3.1	2.2	17.6	1,237	20.1	16.5	1,637	7.3
	1999	499	4.8	18.0	2,361	3.4	2.4	17.1	1,188	19.5	16.2	1,526	6.7

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 18C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** (2)

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity <sup>(3)</sup>													
Race/Ethnicity and Year		Birthweight <sup>(4)</sup>			Height and Weight							Anemia Low Hb/Hct (7)	
		Low	High	Short Stature (5)	Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)						
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th -	% <95th	% ≥95th	Number
Asian/Pacific Islander	2008	18	*	*	108	8.3	4.6	13.9	45	*	*	84	*
	2007	30	*	*	125	6.4	2.4	13.6	46	*	*	85	*
	2006	0	*	*	0	*	*	*	0	*	*	0	*
	2005	38	*	*	116	5.2	3.4	12.1	42	*	*	59	*
	2004	36	*	*	144	2.1	4.2	9.7	63	*	*	72	*
	2003	29	*	*	136	6.6	5.9	11.8	61	*	*	72	*
	2002	40	*	*	154	4.5	3.2	7.8	66	*	*	86	*
	2001	43	*	*	161	5.0	3.7	8.1	64	*	*	83	*
	2000	37	*	*	139	2.9	2.9	5.0	59	*	*	81	*
	1999	37	*	*	165	6.1	6.1	8.5	69	*	*	103	11.7
Multiple Races	2008	332	8.1	9.0	1,025	5.1	1.6	14.0	275	22.2	12.0	649	10.5
	2007	308	9.7	11.0	819	6.2	1.6	15.5	192	20.3	9.9	457	10.7
	2006	0	*	*	0	*	*	*	0	*	*	0	*
	2005	0	*	*	0	*	*	*	0	*	*	0	*
	2004	0	*	*	0	*	*	*	0	*	*	0	*
	2003	0	*	*	0	*	*	*	0	*	*	0	*
	2002	0	*	*	0	*	*	*	0	*	*	0	*
	2001	0	*	*	0	*	*	*	0	*	*	0	*
	2000	0	*	*	0	*	*	*	0	*	*	0	*
	1999	0	*	*	0	*	*	*	0	*	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 18C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity**  
**Children Aged < 5 Years** (2)

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity <sup>(3)</sup>													
Race/Ethnicity and Year		Birthweight <sup>(4)</sup>			Height and Weight						Anemia Low Hb/Hct (7)		
		Low		High	Short Stature (5)		Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)				
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th - <95th	% ≥95th	Number	%
All Other/Unknown	2008	10	*	*	23	*	*	*	3	*	*	8	*
	2007	23	*	*	45	*	*	*	9	*	*	20	*
	2006	0	*	*	0	*	*	*	0	*	*	0	*
	2005	0	*	*	0	*	*	*	0	*	*	0	*
	2004	0	*	*	0	*	*	*	0	*	*	0	*
	2003	0	*	*	0	*	*	*	0	*	*	0	*
	2002	0	*	*	1	*	*	*	1	*	*	1	*
	2001	0	*	*	0	*	*	*	0	*	*	1	*
	2000	0	*	*	0	*	*	*	0	*	*	0	*
	1999	0	*	*	0	*	*	*	0	*	*	0	*
Total All Race/Ethnic Groups	2008	3,607	9.0	9.2	15,187	4.7	2.5	13.8	6,551	17.5	13.8	11,132	8.7
	2007	3,656	8.2	10.4	14,951	4.9	2.9	14.3	6,298	17.7	13.4	10,783	9.2
	2006	0	*	*	0	*	*	*	0	*	*	0	*
	2005	3,075	7.7	10.2	12,113	4.5	3.0	13.6	5,330	16.7	13.1	7,026	9.6
	2004	3,338	7.1	10.7	13,915	4.3	3.4	13.3	6,299	16.2	12.7	8,287	8.2
	2003	3,178	7.0	10.8	13,491	4.2	3.4	12.2	6,097	15.6	11.6	8,060	7.5
	2002	3,114	6.8	10.6	13,155	4.3	3.2	12.2	6,084	16.1	11.4	7,759	7.1
	2001	3,088	6.5	11.3	13,642	4.0	3.4	11.6	6,374	14.9	11.4	8,407	8.4
	2000	3,123	6.9	11.9	13,810	4.0	3.3	12.3	6,518	15.4	10.5	8,890	9.6
	1999	3,182	7.0	13.1	14,456	4.4	3.2	11.3	6,796	15.3	10.0	9,935	8.4

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 19C**  
**2008 Pediatric Nutrition Surveillance (1)**  
**North Dakota**  
**Summary of Trends in Breastfeeding Indicators by Race/Ethnicity**  
**Children Aged < 5 Years (2)**

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Summary of Trends in Breastfeeding Indicators by Race/Ethnicity <sup>(3)</sup>							
Race/Ethnicity and Year		Breastfeeding <sup>(4)</sup>					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
White, Not Hispanic	2008	2,152	62.2	1,973	20.9	1,516	11.1
	2007	2,241	64.3	1,948	22.0	1,452	12.7
	2006	0	*	0	*	0	*
	2005	2,186	60.1	1,781	24.3	1,365	16.1
	2004	2,329	60.6	1,906	22.0	1,404	14.7
	2003	2,254	61.0	1,831	22.2	1,416	16.7
	2002	2,276	61.4	1,712	23.2	1,316	16.0
	2001	2,194	57.8	1,801	22.4	1,438	15.4
	2000	2,324	57.8	1,861	21.7	1,502	17.0
	1999	2,414	55.0	2,042	23.8	1,556	15.7
Black, Not Hispanic	2008	124	83.1	115	48.7	97	*
	2007	112	80.4	102	46.1	85	*
	2006	0	*	0	*	0	*
	2005	152	73.7	137	34.3	93	*
	2004	144	63.9	108	34.3	84	*
	2003	133	65.4	103	33.0	74	*
	2002	105	65.7	103	30.1	89	*
	2001	136	72.1	92	*	89	*
	2000	114	64.0	107	40.2	97	*
	1999	134	60.4	112	33.9	70	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 19C**  
**2008 Pediatric Nutrition Surveillance (1)**  
**North Dakota**  
**Summary of Trends in Breastfeeding Indicators by Race/Ethnicity**  
**Children Aged < 5 Years (2)**

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Summary of Trends in Breastfeeding Indicators by Race/Ethnicity <sup>(3)</sup>							
Race/Ethnicity and Year		Breastfeeding <sup>(4)</sup>					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Hispanic	2008	352	58.5	309	23.3	238	8.4
	2007	328	62.2	310	23.9	259	14.3
	2006	0	*	0	*	0	*
	2005	162	57.4	115	29.6	102	15.7
	2004	152	55.9	143	25.2	125	16.0
	2003	154	62.3	96	*	102	21.6
	2002	124	58.9	100	24.0	96	*
	2001	130	58.5	100	20.0	101	13.9
	2000	122	54.1	92	*	89	*
	1999	124	56.5	112	22.3	128	14.8
American Indian/Alaskan Native	2008	626	40.1	551	12.0	501	6.6
	2007	610	41.8	576	11.6	540	5.0
	2006	0	*	0	*	0	*
	2005	669	40.2	574	12.0	505	9.5
	2004	700	36.3	560	12.0	467	8.6
	2003	621	38.0	551	11.8	428	8.4
	2002	585	36.6	420	11.4	447	8.5
	2001	604	34.4	432	12.7	422	9.0
	2000	550	34.2	384	11.5	379	11.6
	1999	505	35.6	403	13.6	353	9.6

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 19C**  
**2008 Pediatric Nutrition Surveillance (1)**  
**North Dakota**  
**Summary of Trends in Breastfeeding Indicators by Race/Ethnicity**  
**Children Aged < 5 Years (2)**

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Summary of Trends in Breastfeeding Indicators by Race/Ethnicity <sup>(3)</sup>							
Race/Ethnicity and Year		Breastfeeding <sup>(4)</sup>					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Asian/Pacific Islander	2008	18	*	13	*	24	*
	2007	30	*	38	*	21	*
	2006	0	*	0	*	0	*
	2005	39	*	31	*	16	*
	2004	36	*	22	*	24	*
	2003	29	*	27	*	20	*
	2002	41	*	35	*	24	*
	2001	45	*	30	*	28	*
	2000	38	*	25	*	20	*
	1999	37	*	31	*	24	*
Multiple Races	2008	332	58.7	290	14.5	224	6.7
	2007	306	60.5	268	15.3	169	8.3
	2006	0	*	0	*	0	*
	2005	0	*	0	*	0	*
	2004	0	*	0	*	0	*
	2003	0	*	0	*	0	*
	2002	0	*	0	*	0	*
	2001	0	*	0	*	0	*
	2000	0	*	0	*	0	*
	1999	0	*	0	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 19C**  
**2008 Pediatric Nutrition Surveillance (1)**  
**North Dakota**  
**Summary of Trends in Breastfeeding Indicators by Race/Ethnicity**  
**Children Aged < 5 Years (2)**

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Summary of Trends in Breastfeeding Indicators by Race/Ethnicity <sup>(3)</sup>							
Race/Ethnicity and Year		Breastfeeding <sup>(4)</sup>					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
All Other/Unknown	2008	10	*	8	*	5	*
	2007	24	*	13	*	7	*
	2006	0	*	0	*	0	*
	2005	0	*	0	*	0	*
	2004	0	*	0	*	0	*
	2003	0	*	0	*	0	*
	2002	0	*	0	*	0	*
	2001	0	*	0	*	0	*
	2000	0	*	0	*	0	*
	1999	0	*	0	*	0	*
Total All Race/Ethnic Groups	2008	3,614	58.3	3,259	20.1	2,605	10.4
	2007	3,651	60.3	3,255	20.7	2,533	11.3
	2006	0	*	0	*	0	*
	2005	3,208	56.7	2,638	22.6	2,081	14.5
	2004	3,361	55.6	2,739	20.5	2,104	14.1
	2003	3,191	56.9	2,608	21.1	2,040	15.9
	2002	3,131	57.0	2,370	21.7	1,972	14.9
	2001	3,109	54.2	2,455	21.1	2,078	14.1
	2000	3,148	54.0	2,469	20.6	2,087	16.2
	1999	3,214	52.3	2,700	22.9	2,131	15.2

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.





**Table 20C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Growth Indicators by Age**  
**Children Aged < 5 Years** (2)

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Summary of Trends in Growth Indicators by Age <sup>(3)</sup>																		
Age and Year *	Height and Weight									Age and Year *	Height and Weight							
	Short Stature (4)				Under- Obese weight (5) (5)						≥ 2 Yrs Overweight (5)							
	Number	%	%	%	Number	%	%	Number			%	%						
	<5th	<5th	≥95th		85th-<95th	≥95th		<5th	<5th	≥95th		85th-<95th	≥95th					
0 - 11 Months																		
2008	5,871	6.7	2.7	12.2	0	*	*		2008	2,538	3.6	2.8	12.3	2,538	16.5	12.3		
2007	5,853	7.1	3.0	13.5	0	*	*		2007	2,352	3.4	3.2	11.9	2,352	16.2	11.9		
2006	0	*	*	*	0	*	*		2006	0	*	*	*	0	*	*		
2005	4,226	6.2	3.4	12.1	0	*	*		2005	1,994	3.8	3.1	11.1	1,994	16.0	11.1		
2004	4,816	5.6	3.8	11.1	0	*	*		2004	2,350	3.0	3.6	11.4	2,350	15.0	11.4		
2003	4,680	6.3	3.5	11.2	0	*	*		2003	2,281	2.8	4.0	10.2	2,281	14.4	10.2		
2002	4,390	5.7	3.4	10.8	0	*	*		2002	2,197	3.6	3.6	9.8	2,197	16.6	9.8		
2001	4,489	5.8	3.4	10.3	0	*	*		2001	2,285	2.8	4.2	10.5	2,285	15.2	10.5		
2000	4,500	6.0	3.4	12.5	0	*	*		2000	2,427	3.5	4.1	10.1	2,427	15.6	10.1		
1999	4,787	6.2	3.3	10.9	0	*	*		1999	2,518	3.1	3.8	9.1	2,518	15.5	9.1		
12 - 23 Months																		
2008	2,765	4.4	1.8	17.4	0	*	*		2008	2,073	3.3	2.6	14.4	2,073	17.4	14.4		
2007	2,800	4.0	1.9	18.0	0	*	*		2007	2,091	3.5	3.4	13.9	2,091	18.7	13.9		
2006	0	*	*	*	0	*	*		2006	0	*	*	*	0	*	*		
2005	2,557	3.9	2.0	17.2	0	*	*		2005	1,742	2.8	3.2	14.1	1,742	16.0	14.1		
2004	2,800	4.8	2.4	18.3	0	*	*		2004	2,103	3.4	3.8	12.9	2,103	15.8	12.9		
2003	2,714	3.5	1.8	15.5	0	*	*		2003	1,909	2.9	3.9	12.2	1,909	15.1	12.2		
2002	2,681	4.1	2.2	16.4	0	*	*		2002	2,001	3.3	3.4	12.6	2,001	14.5	12.6		
2001	2,779	3.8	2.3	14.1	0	*	*		2001	2,143	3.5	3.9	10.5	2,143	13.7	10.5		
2000	2,792	3.3	1.6	16.2	0	*	*		2000	2,127	2.7	4.2	10.1	2,127	14.1	10.1		
1999	2,873	3.9	2.1	15.1	0	*	*		1999	2,189	3.4	3.5	10.6	2,189	14.5	10.6		
24 - 35 Months																		
2008	2,538	3.6	2.8	12.3	2,538	16.5	12.3		2008	2,073	3.3	2.6	14.4	2,073	17.4	14.4		
2007	2,352	3.4	3.2	11.9	2,352	16.2	11.9		2007	2,091	3.5	3.4	13.9	2,091	18.7	13.9		
2006	0	*	*	*	0	*	*		2006	0	*	*	*	0	*	*		
2005	1,994	3.8	3.1	11.1	1,994	16.0	11.1		2005	1,742	2.8	3.2	14.1	1,742	16.0	14.1		
2004	2,350	3.0	3.6	11.4	2,350	15.0	11.4		2004	2,103	3.4	3.8	12.9	2,103	15.8	12.9		
2003	2,281	2.8	4.0	10.2	2,281	14.4	10.2		2003	1,909	2.9	3.9	12.2	1,909	15.1	12.2		
2002	2,197	3.6	3.6	9.8	2,197	16.6	9.8		2002	2,001	3.3	3.4	12.6	2,001	14.5	12.6		
2001	2,285	2.8	4.2	10.5	2,285	15.2	10.5		2001	2,143	3.5	3.9	10.5	2,143	13.7	10.5		
2000	2,427	3.5	4.1	10.1	2,427	15.6	10.1		2000	2,127	2.7	4.2	10.1	2,127	14.1	10.1		
1999	2,518	3.1	3.8	9.1	2,518	15.5	9.1		1999	2,189	3.4	3.5	10.6	2,189	14.5	10.6		
36 - 47 Months																		
2008	2,073	3.3	2.6	14.4	2,073	17.4	14.4		2008	2,073	3.3	2.6	14.4	2,073	17.4	14.4		
2007	2,091	3.5	3.4	13.9	2,091	18.7	13.9		2007	2,091	3.5	3.4	13.9	2,091	18.7	13.9		
2006	0	*	*	*	0	*	*		2006	0	*	*	*	0	*	*		
2005	1,742	2.8	3.2	14.1	1,742	16.0	14.1		2005	1,742	2.8	3.2	14.1	1,742	16.0	14.1		
2004	2,103	3.4	3.8	12.9	2,103	15.8	12.9		2004	2,103	3.4	3.8	12.9	2,103	15.8	12.9		
2003	1,909	2.9	3.9	12.2	1,909	15.1	12.2		2003	1,909	2.9	3.9	12.2	1,909	15.1	12.2		
2002	2,001	3.3	3.4	12.6	2,001	14.5	12.6		2002	2,001	3.3	3.4	12.6	2,001	14.5	12.6		
2001	2,143	3.5	3.9	10.5	2,143	13.7	10.5		2001	2,143	3.5	3.9	10.5	2,143	13.7	10.5		
2000	2,127	2.7	4.2	10.1	2,127	14.1	10.1		2000	2,127	2.7	4.2	10.1	2,127	14.1	10.1		
1999	2,189	3.4	3.5	10.6	2,189	14.5	10.6		1999	2,189	3.4	3.5	10.6	2,189	14.5	10.6		

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(5) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 20C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Growth Indicators by Age**  
**Children Aged < 5 Years** (2)

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Summary of Trends in Growth Indicators by Age <sup>(3)</sup>																			
Age and Year *		Height and Weight									Age and Year *		Height and Weight						
		Short Stature (4)		Under-weight (5)	Obese (5)	≥ 2 Yrs Overweight (5)							Short Stature (4)		Under-weight (5)	Obese (5)	≥ 2 Yrs Overweight (5)		
		Number	%	%	%	Number	%	%					Number	%	%	%	Number	%	%
		<5th	<5th	≥95th	85th-<95th			≥95th			<5th	<5th	≥95th	85th-<95th			≥95th		
48 - 59 Months																			
2008		1,940	2.2	2.5	15.3	1,940			19.0	15.3									
2007		1,855	3.1	3.5	14.7	1,855			18.3	14.7									
2006		0	*	*	*	0			*	*									
2005		1,594	3.8	3.1	14.6	1,594			18.3	14.6									
2004		1,846	2.9	3.2	14.0	1,846			18.3	14.0									
2003		1,907	2.8	4.0	12.6	1,907			17.6	12.6									
2002		1,886	3.2	3.4	11.9	1,886			17.3	11.9									
2001		1,946	2.3	3.5	13.6	1,946			15.8	13.6									
2000		1,964	2.4	3.6	11.3	1,964			16.8	11.3									
1999		2,089	3.5	3.3	10.6	2,089			15.9	10.6									
Total All Age Groups																			
2008		15,187	4.7	2.5	13.8	6,551			17.5	13.8									
2007		14,951	4.9	2.9	14.3	6,298			17.7	13.4									
2006		0	*	*	*	0			*	*									
2005		12,113	4.5	3.0	13.6	5,330			16.7	13.1									
2004		13,915	4.3	3.4	13.3	6,299			16.2	12.7									
2003		13,491	4.2	3.4	12.2	6,097			15.6	11.6									
2002		13,155	4.3	3.2	12.2	6,084			16.1	11.4									
2001		13,642	4.0	3.4	11.6	6,374			14.9	11.4									
2000		13,810	4.0	3.3	12.3	6,518			15.4	10.5									
1999		14,456	4.4	3.2	11.3	6,796			15.3	10.0									

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(5) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 21C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Anemia by Age**  
**Children Aged < 5 Years** (2)

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Summary of Trends in Anemia by Age (3)						
Age and Year		Anemia Low Hb/Hct (4)				
		Number	%			
6 - 11 Months				18 - 23 Months		
	2008	2,414	11.6		2008	1,506 9.2
	2007	1,812	11.8		2007	1,431 11.1
	2006	0	*		2006	0 *
	2005	563	14.7		2005	1,195 11.0
	2004	568	11.8		2004	1,301 9.7
	2003	598	12.5		2003	1,277 8.1
	2002	625	8.6		2002	1,184 9.3
	2001	695	13.4		2001	1,185 9.0
	2000	1,450	15.9		2000	1,312 8.6
	1999	2,498	13.3		1999	1,246 7.5
12 - 17 Months				24 - 35 Months		
	2008	1,111	14.5		2008	2,536 8.2
	2007	1,573	13.5		2007	2,408 8.7
	2006	0	*		2006	0 *
	2005	1,279	11.8		2005	1,503 11.4
	2004	1,506	11.1		2004	1,810 9.0
	2003	1,455	10.0		2003	1,721 7.3
	2002	1,324	9.5		2002	1,693 7.7
	2001	1,467	11.9		2001	1,914 8.8
	2000	975	13.6		2000	2,018 9.8
	1999	972	10.8		1999	2,013 8.1

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 21C**  
**2008 Pediatric Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Anemia by Age**  
**Children Aged < 5 Years** (2)

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Summary of Trends in Anemia by Age <sup>(3)</sup>								
Age and Year		Anemia Low Hb/Hct <sup>(4)</sup>			Age and Year		Anemia Low Hb/Hct <sup>(4)</sup>	
		Number	%				Number	%
36 - 59 Months					Total All Age Groups			
	2008	3,565	5.2			2008	11,132	8.7
	2007	3,559	5.6			2007	10,783	9.2
	2006	0	*			2006	0	*
	2005	2,486	5.6			2005	7,026	9.6
	2004	3,102	4.9			2004	8,287	8.2
	2003	3,009	5.2			2003	8,060	7.5
	2002	2,933	4.4			2002	7,759	7.1
	2001	3,146	5.3			2001	8,407	8.4
	2000	3,135	5.6			2000	8,890	9.6
	1999	3,206	4.3			1999	9,935	8.4
All Other/Unknown								
	2008	0	*					
	2007	0	*					
	2006	0	*					
	2005	0	*					
	2004	0	*					
	2003	0	*					
	2002	0	*					
	2001	0	*					
	2000	0	*					
	1999	0	*					

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

